

FIG. 1b

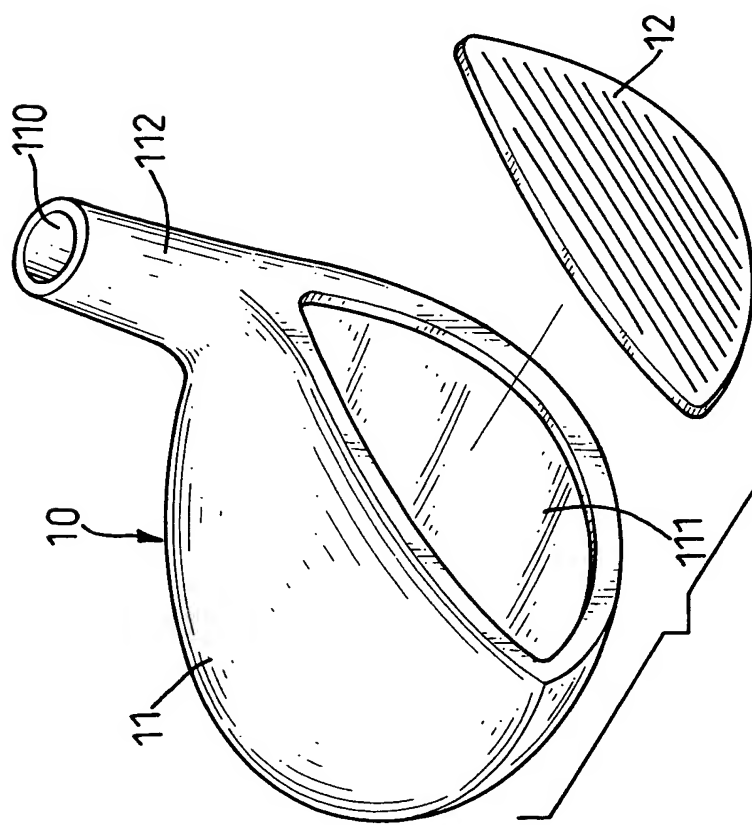


FIG. 1a

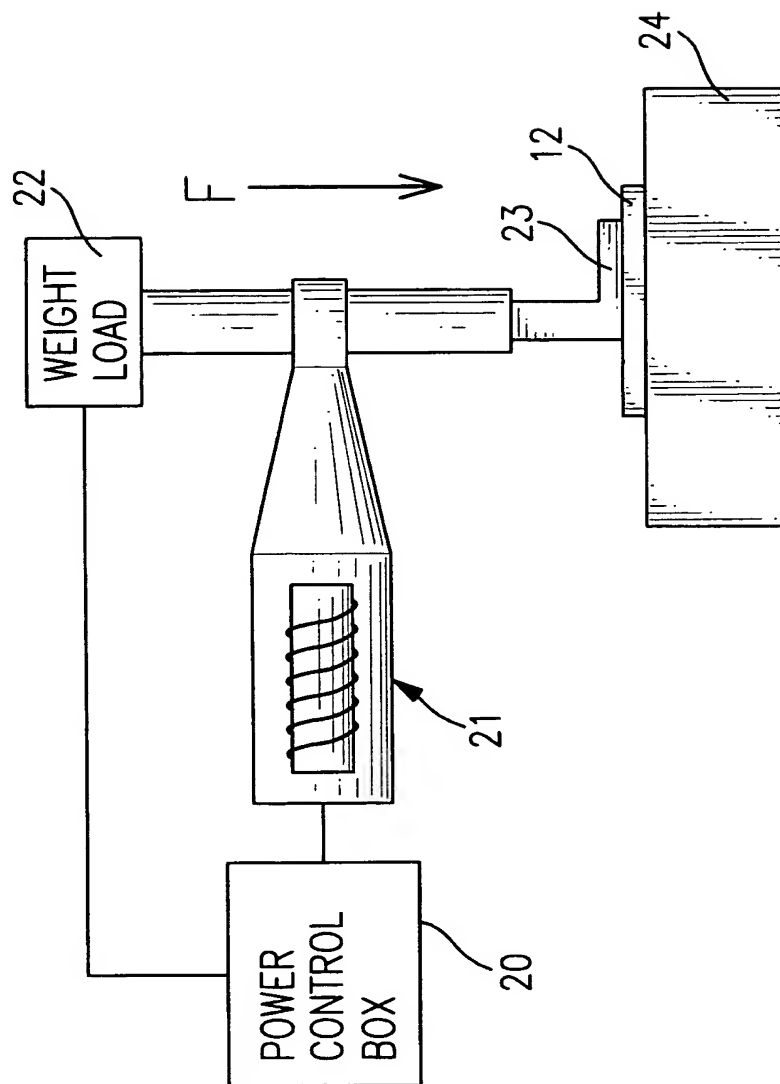


FIG. 2

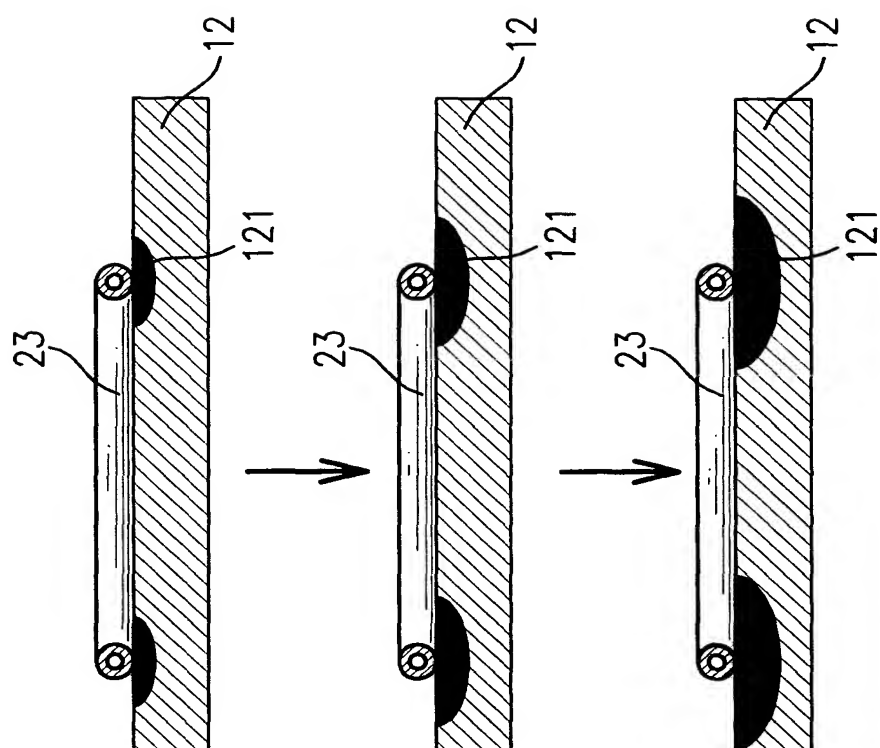


FIG. 3

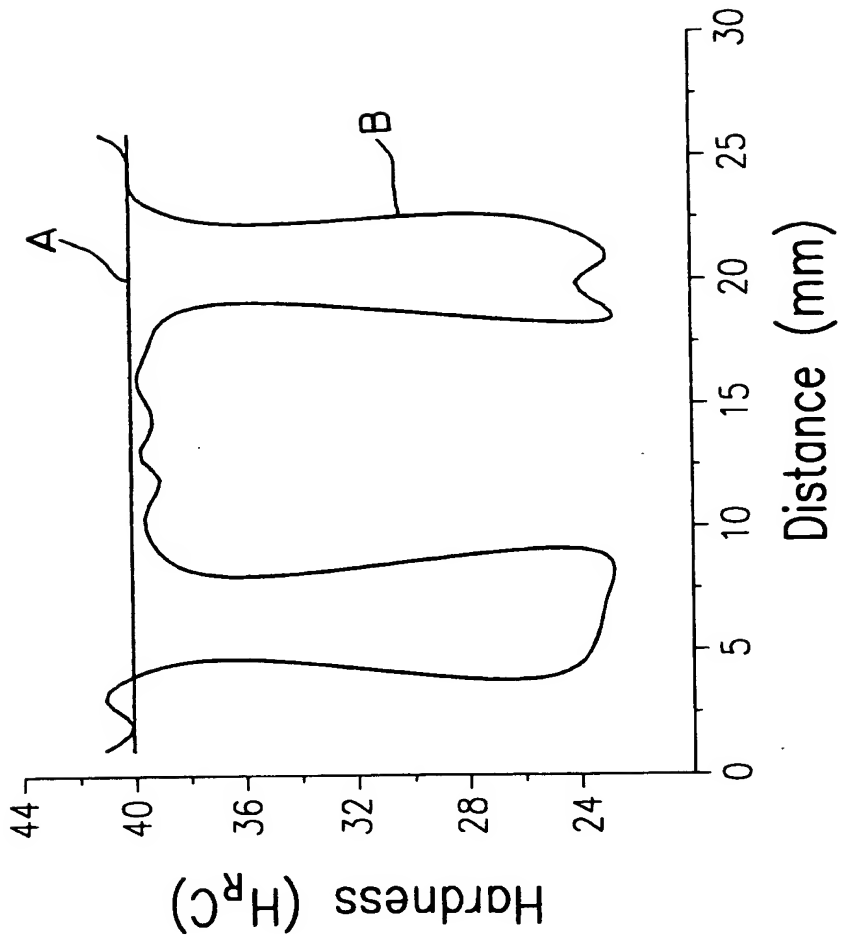


FIG.4

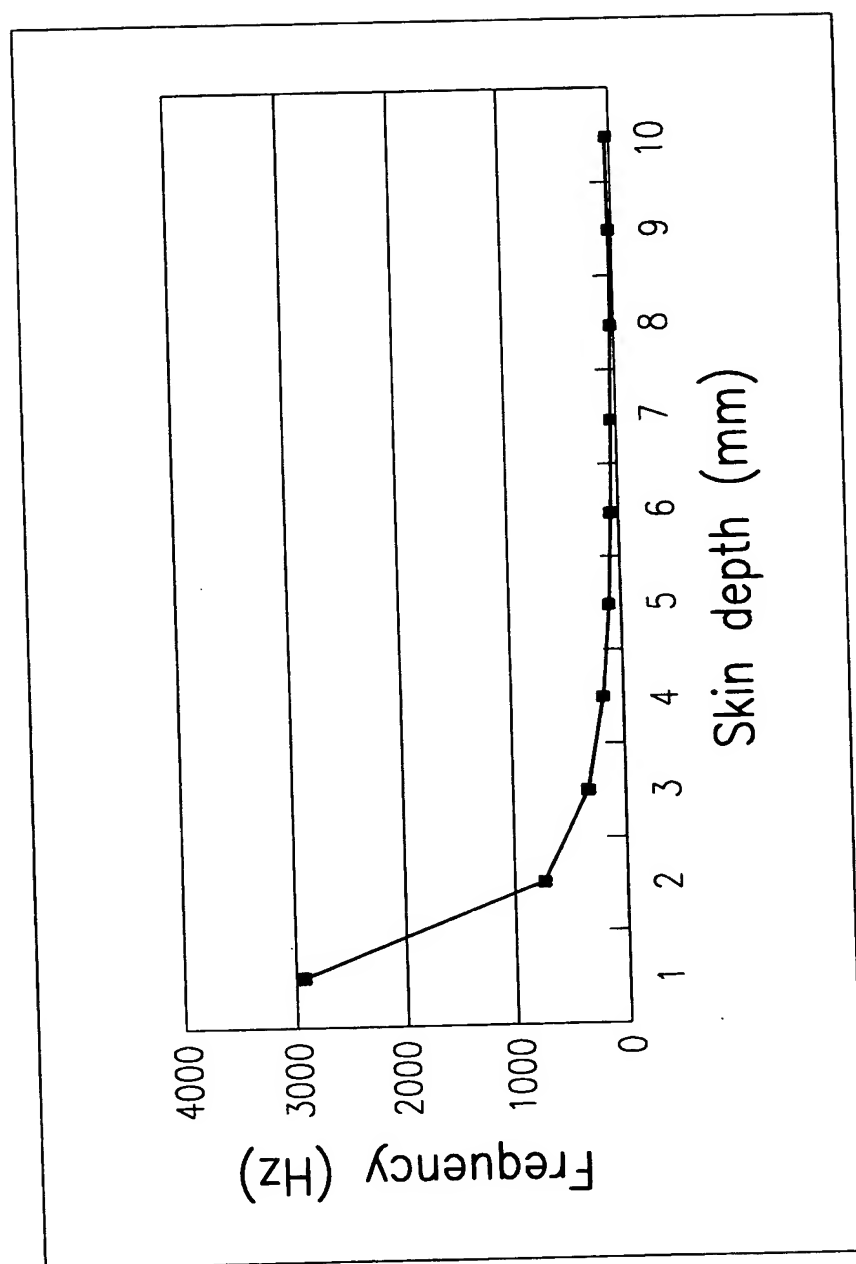


FIG.5

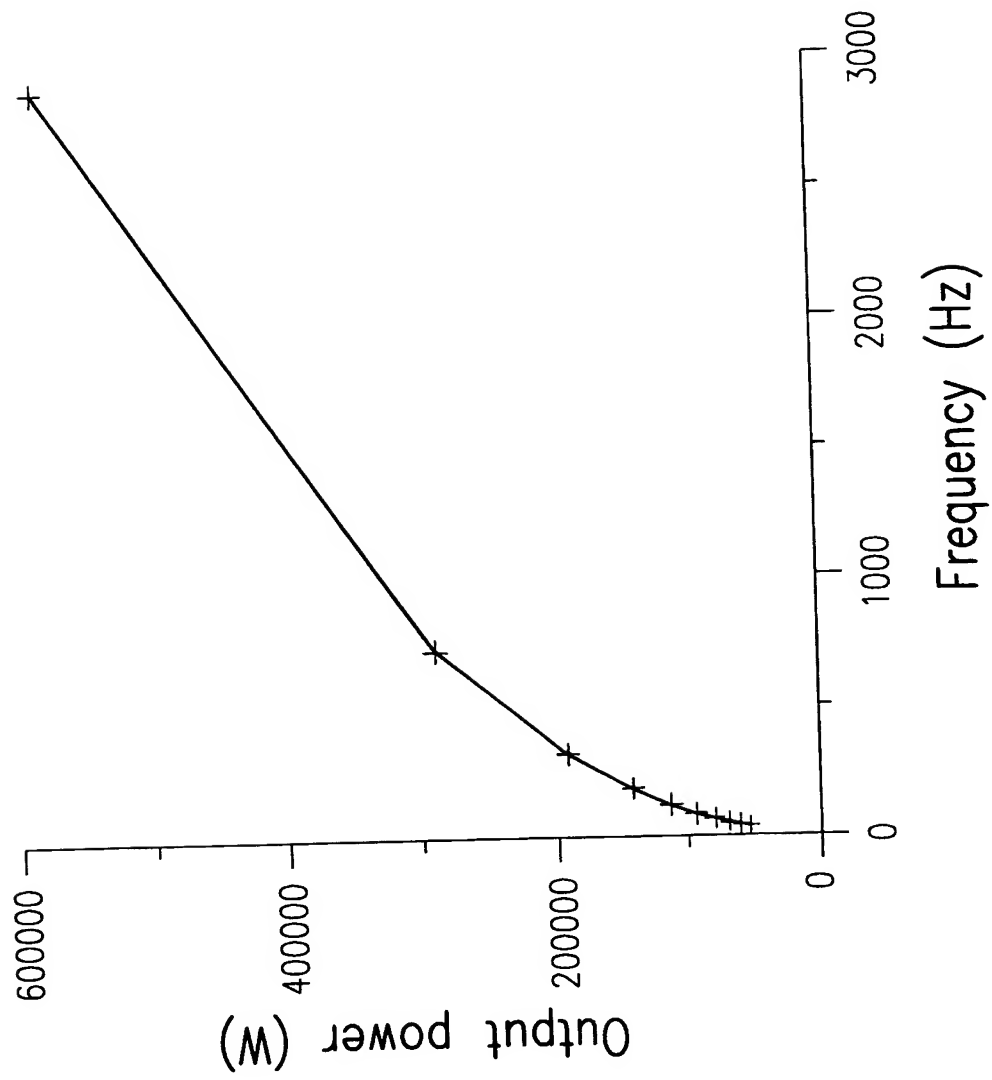


FIG.6

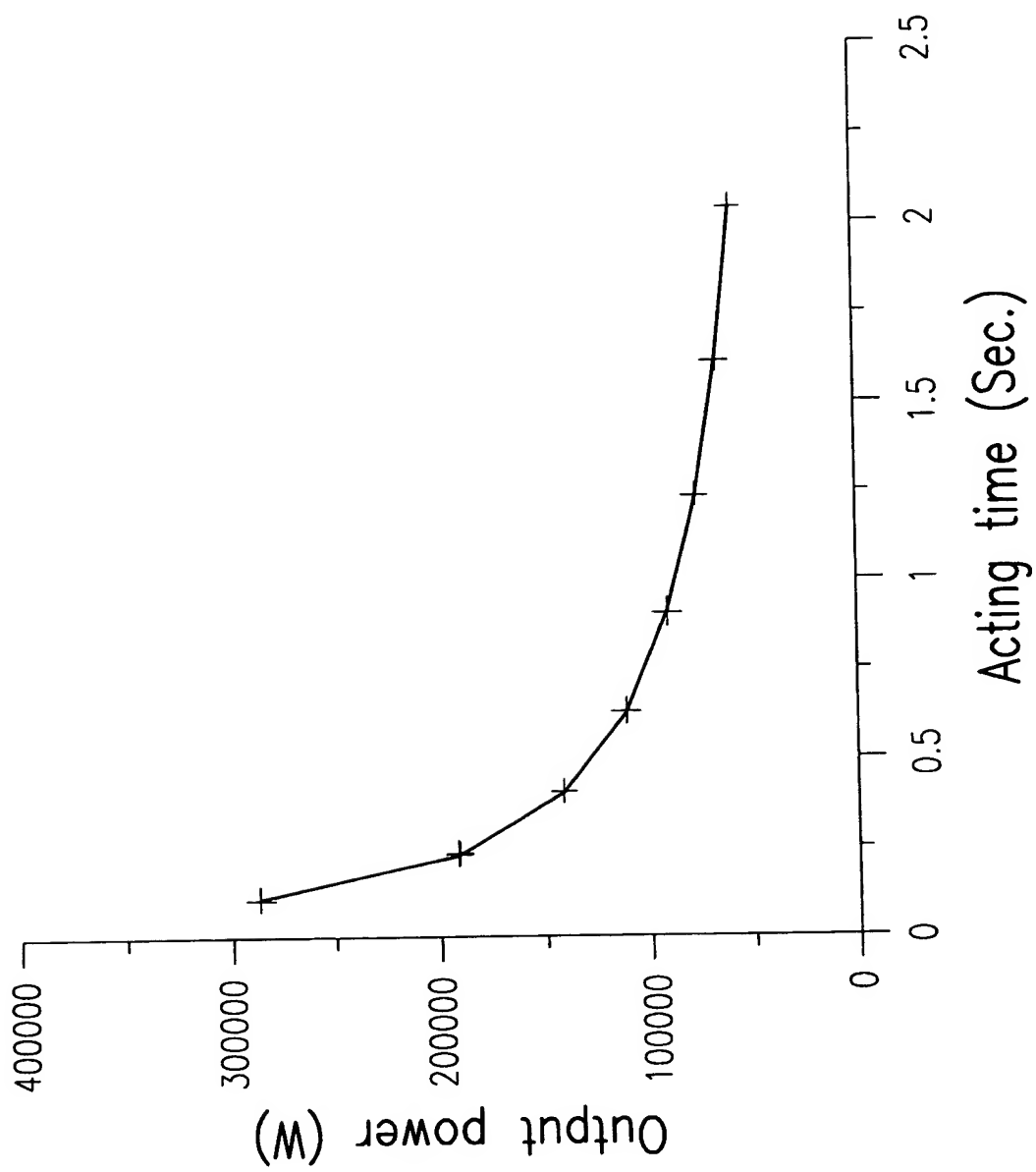


FIG.7

ITEM	COMPONENT	THICKNESS OF THE STRIKING PLATE (MM)	OUTPUT POWER OF HIGH- FREQUENCY CURRENT (KW)	HIGH- FREQUENCY CURRENT ACTING TIME (S)	HARDNESS (H _R C)		COR	RESULT
					SWEET SPOT	SOFTEN REGION		
1	TITANIUM (Ti) ALLOY (Ti-20V-4Al- 1Sn)	2.5 ~ 2.6	0	0	38 ~ 42		0.8455	ACCEPT
2			60	4	37 ~ 41	23 ~ 25	0.8541	ACCEPT
3			80	8	37 ~ 40	20 ~ 22	0.8571	ACCEPT
4			100	10	35 ~ 38	18 ~ 21	0.8481	ACCEPT
5			80	20	32 ~ 34	18 ~ 20	0.8213	FAIL
6	MARAGING STEEL (AISI NO. 465)	2.5 ~ 2.6	0	0	50 ~ 53		0.8232	ACCEPT
7			60	4	50 ~ 52	30 ~ 33	0.8334	ACCEPT
8			80	8	48 ~ 51	25 ~ 28	0.8301	ACCEPT
9			100	10	45 ~ 50	24 ~ 26	0.8234	ACCEPT
10			80	20	36 ~ 42	23 ~ 27	0.8117	FAIL
11	Fe-9Al- 28Mn-1C-6Cr	2.4 ~ 2.5	0	0	43 ~ 48		0.8311	ACCEPT
12			60	4	43 ~ 45	27 ~ 28	0.8421	ACCEPT
13			80	8	41 ~ 43	23 ~ 26	0.8407	ACCEPT
14			100	10	38 ~ 43	21 ~ 25	0.8333	ACCEPT
15			80	20	35 ~ 38	20 ~ 23	0.8112	FAIL
16	STAINLESS STEEL 17- 4PH(AISI NO. 630)	2.7 ~ 2.8	0	0	34 ~ 38		0.7703	ACCEPT
17			60	4	32 ~ 35	20 ~ 23	0.7852	ACCEPT
18			80	8	32 ~ 34	20 ~ 22	0.7841	ACCEPT
19			100	10	30 ~ 33	19 ~ 21	0.7742	ACCEPT
20			80	20	28 ~ 32	19 ~ 21	0.7695	FAIL
NOTE 1: THERE ARE 10 GOLF CLUB HEAD SAMPLES, AN IMPACT BALL VELOCITY IS 55 M/S AND EACH SAMPLE IS HIT 3000 TIMES.								
NOTE 2: VALUES OF THE COEFFICIENT OF RESTITUTION, HARDNESS AND THICKNESS ARE AVERAGE OF THE 10 SAMPLES.								

FIG.8

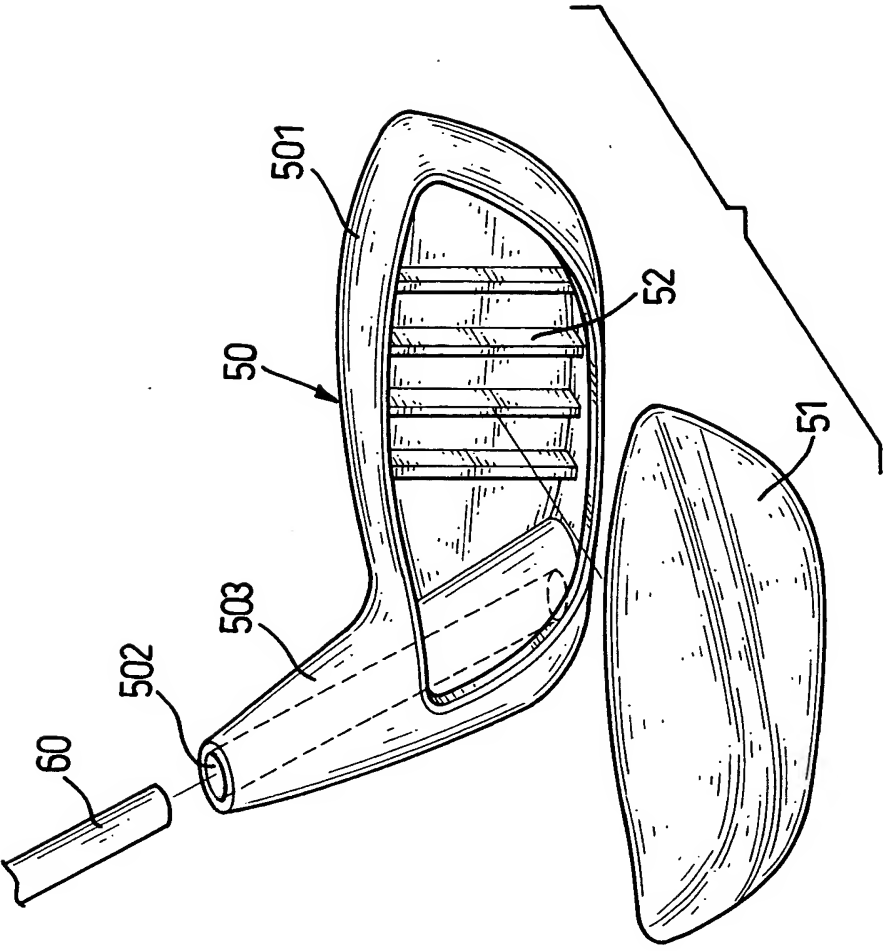


FIG. 9
PRIOR ART

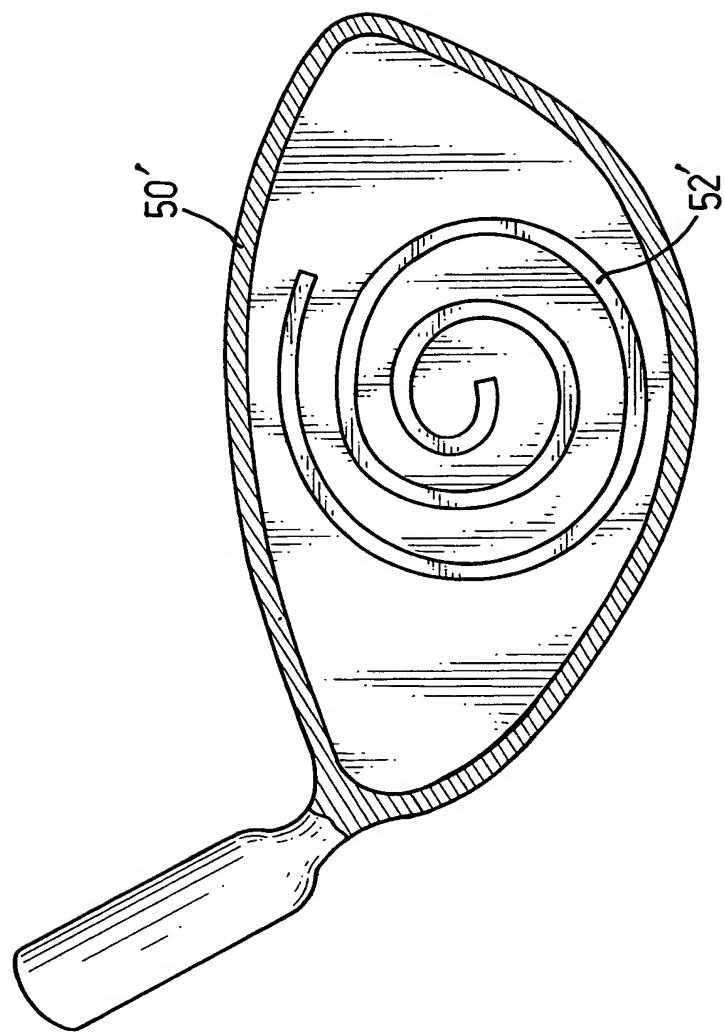


FIG. 10
PRIOR ART

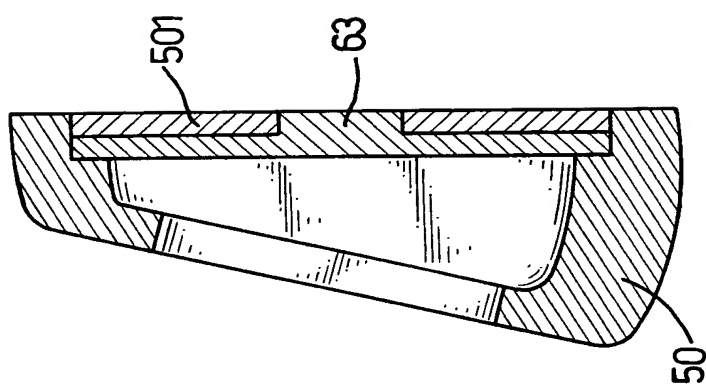


FIG.11
PRIOR ART

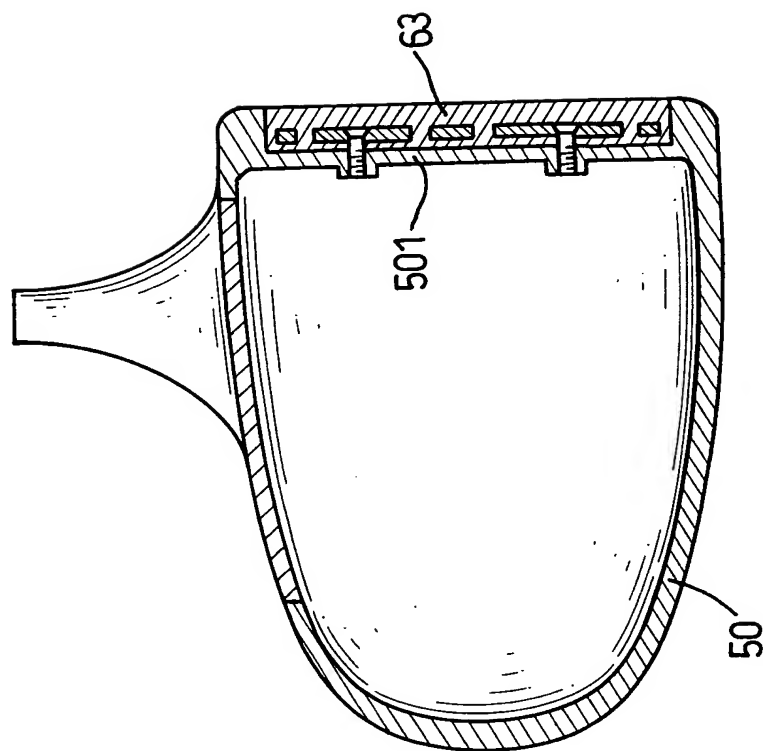


FIG.12
PRIOR ART